

•

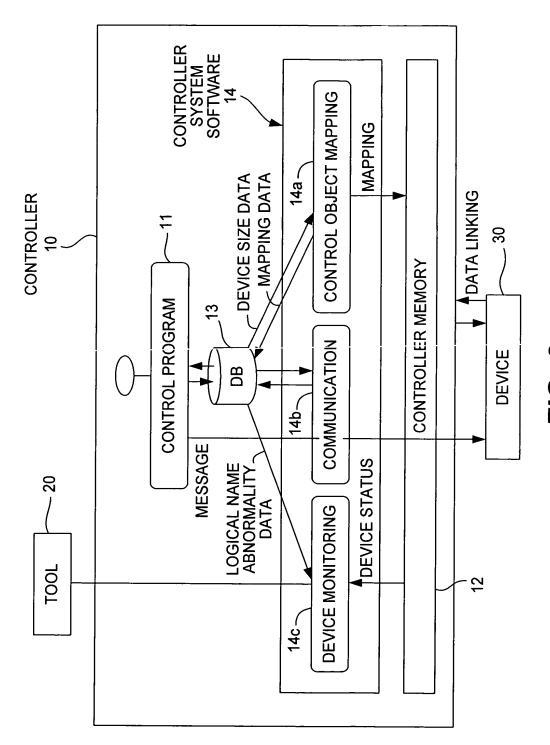
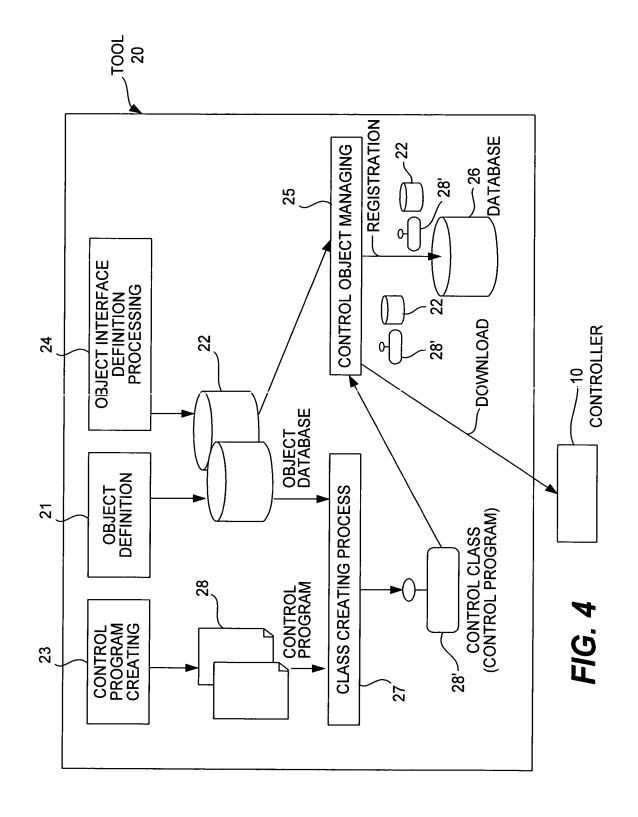
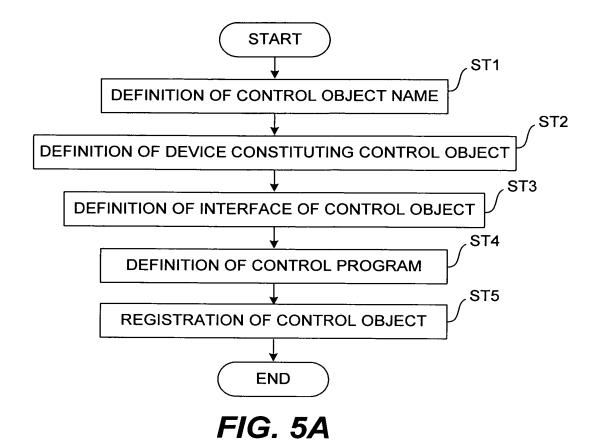


FIG. 3





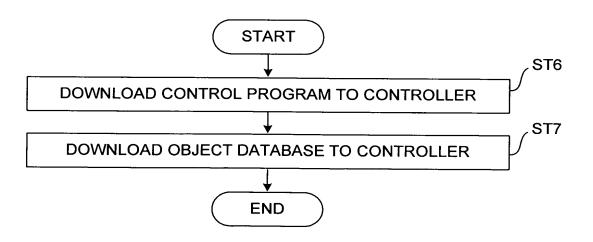
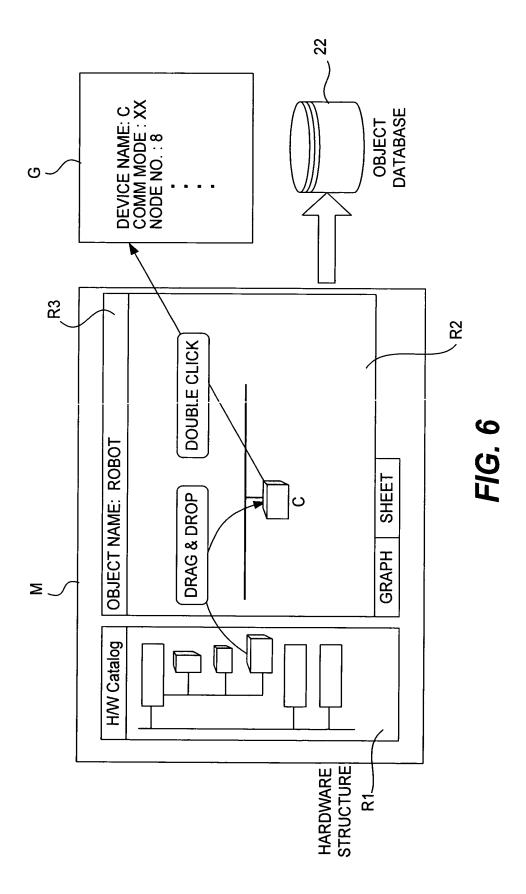


FIG. 5B



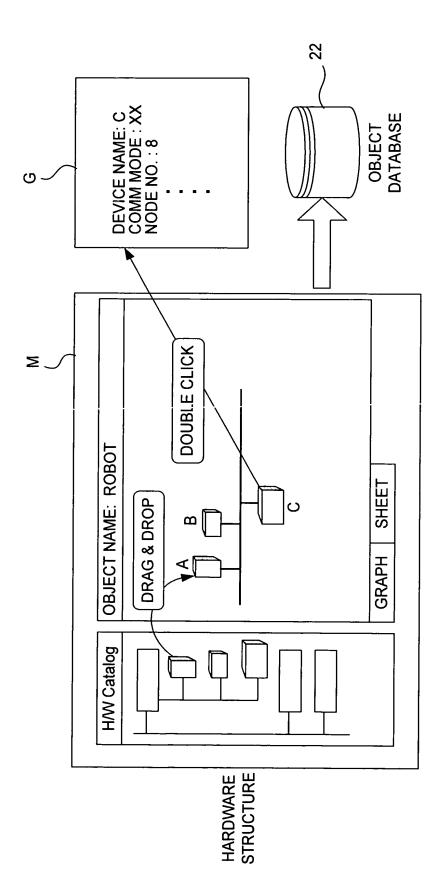


FIG. 7

```
[Profile]
ObjName= ROBOT

DeviceNum=1
DevName0=C
SerialNo0=
NodeNo0=8 //COMMUNICATION ADDRESS
INSize0=2 //byte
INSize0=2 //byte
OUTSize0=2 //byte
OUTSize0=2 //byte
Communication0=0 //COMMUNICATION MODE
```

ObjName= ROBOT

DevName0=C

NodeNo0=8

INSize0=2

SerialNo0=

DeviceNum=3

## F/G. 8

```
BYTE Add_Val(BYTE X, BYTE Y)

{
    BYTE A, B; C
    Get_Attribute("IN_param1", A);
    Get_Attribute("IN_param2", B);
    C=A+B
    Set_Attribute("OUT_param1, C);
    Return C
}
```

F/G. 9

FIG. 11

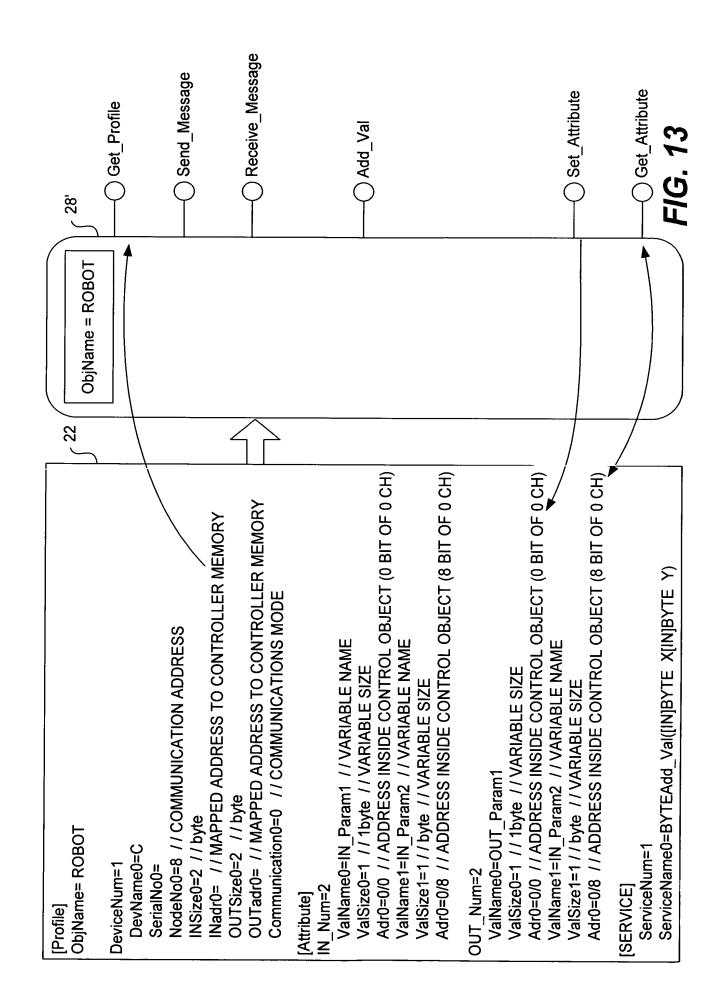
Communication0=0 Communication 1=0 Communication2=0 DevName2=B DevName1=A OUTSize0=2 OUTSize1=4 OUTSize2=1 NodeNo1=3 SerialNo1= NodeNo2=1 OUTadr1= SerialNo2= OUTadr0= OUTadr2= NSize1=4 NSize2=1 Nadr0= Nadr1= Nadr2=

```
[Profile]
ObjName= ROBOT
DeviceNum=1
  DevName0=C
  SerialNo0=
  NodeNo0=8 //COMMUNICATION ADDRESS
  INSize0=2 //byte
  INadr0= //MAPPED ADDRESS TO CONTROLLER MEMORY
  OUTSize0=2 //byte
  OUTadr0= // MAPPED ADDRESS TO CONTROLLER MEMORY
  Communication0=0 // COMMUNICATIONS MODE
[Attribute]
IN_Num=2
  ValName0=IN Param1 // VARIABLE NAME
  ValSize0=1 //1byte //VARIABLE SIZE
  Adr0=0/0 // ADDRESS INSIDE CONTROL OBJECT (0 BIT OF 0 CH)
  ValName1=IN Param2 // VARIABLE NAME
  ValSize1=1 / / byte / / VARIABLE SIZE
  Adr0=0/8 // ADDRESS INSIDE CONTROL OBJECT (8 BIT OF 0 CH)
OUT Num=2
  ValName0=OUT Param1
  ValSize0=1 // 1byte // VARIABLE SIZE
  Adr0=0/0 // ADDRESS INSIDE CONTROL OBJECT (0 BIT OF 0 CH)
  ValName1=IN Param2 // VARIABLE NAME
  ValSize1=1 / / byte / / VARIABLE SIZE
  Adr0=0/8 // ADDRESS INSIDE CONTROL OBJECT (8 BIT OF 0 CH)
[SERVICE]
```

FIG. 10

```
[Profile]
ObjName= ROBOT
DeviceNum=1
  DevName0=C
  SerialNo0=
  NodeNo0=8 // COMMUNICATION ADDRESS
  INSize0=2 //byte
  INadr0= //MAPPED ADDRESS TO CONTROLLER MEMORY
  OUTSize0=2 //byte
  OUTadr0= //MAPPED ADDRESS TO CONTROLLER MEMORY
  Communication0=0 // COMMUNICATIONS MODE
[Attribute]
IN Num=2
  ValName0=IN Param1 // VARIABLE NAME
  ValSize0=1 //1byte //VARIABLE SIZE
  Adr0=0/0 // ADDRESS INSIDE CONTROL OBJECT (0 BIT OF 0 CH)
  ValName1=IN Param2 // VARIABLE NAME
  ValSize1=1 / / byte / / VARIABLE SIZE
  Adr0=0/8 // ADDRESS INSIDE CONTROL OBJECT (8 BIT OF 0 CH)
OUT Num=2
  ValName0=OUT Param1
  ValSize0=1 // 1byte // VARIABLE SIZE
  Adr0=0/0 // ADDRESS INSIDE CONTROL OBJECT (0 BIT OF 0 CH)
  ValName1=IN Param2 // VARIABLE NAME
  ValSize1=1 / / byte / / VARIABLE SIZE
  Adr0=0/8 // ADDRESS INSIDE CONTROL OBJECT (8 BIT OF 0 CH)
[SERVICE]
  ServiceNum=1
  ServiceName0=BYTEAdd_Val([IN]BYTE X[IN]BYTE Y)
```

FIG. 12



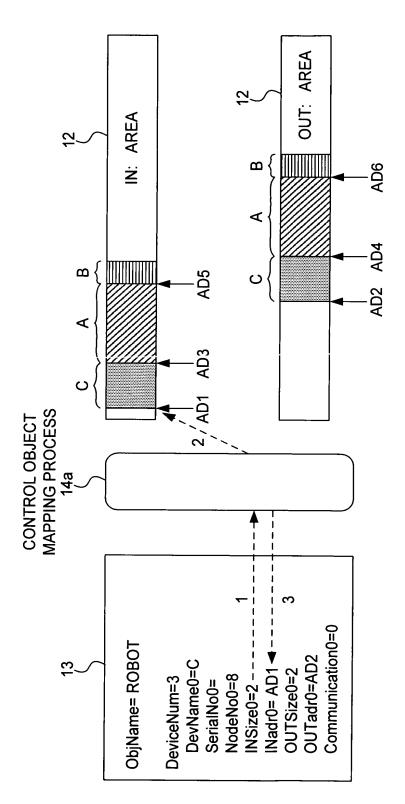


FIG. 14

Communication2=0

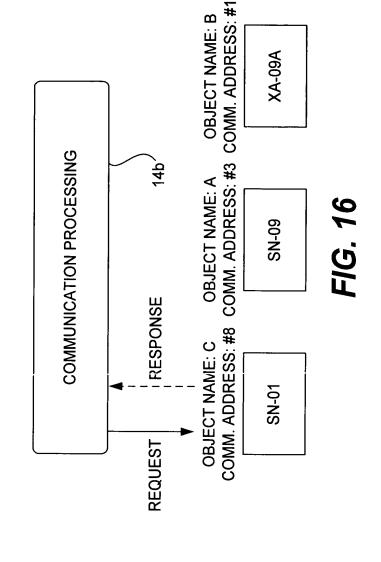
OUTadr2=AD6

Nadr2= AD5

SerialNo2= NodeNo2=1

NSize2=1

OUTSize2=1



Communication0=0

DevName1=A

SerialNo1= NodeNo1=3

INSize1=4

OUTadr0=AD2

INadr0= AD1 OUTSize0=2

SerialNo0=SN-01

NodeNo0=8

INSize0=2

DevName0=C

DeviceNum=3

ObjName= ROBOT

Communication1=0

DevName2=B

OUTadr1=AD4

Nadr1= AD3

OUTSize1=4

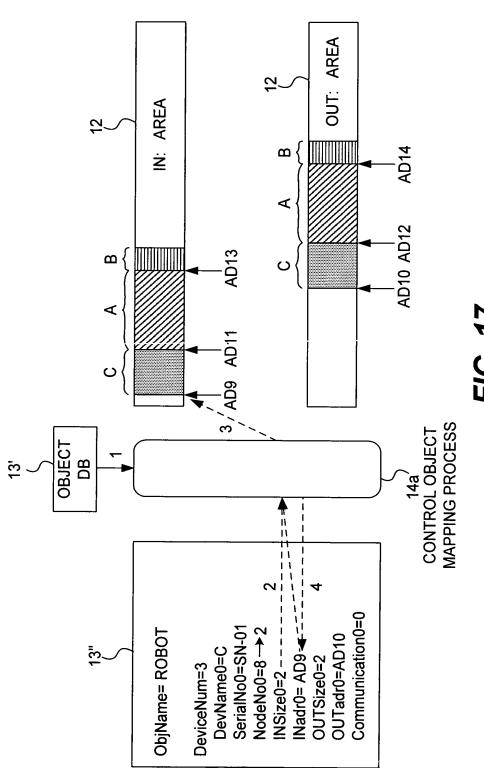


FIG. 17

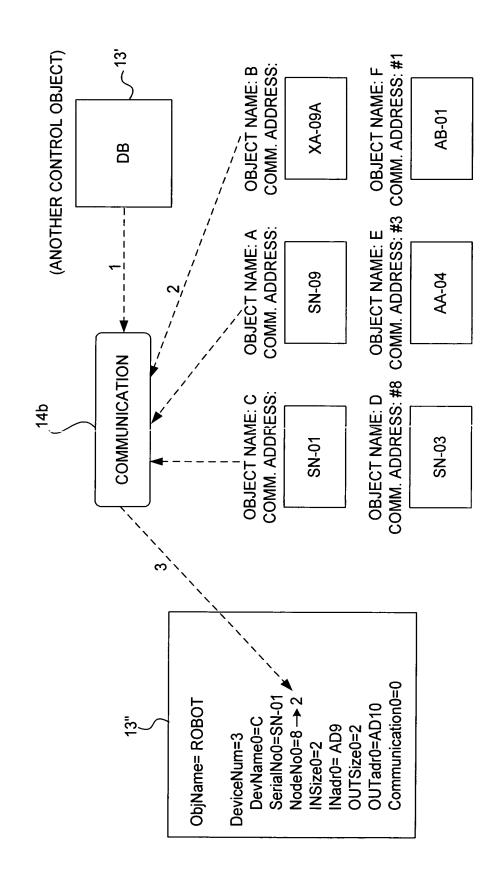


FIG. 18

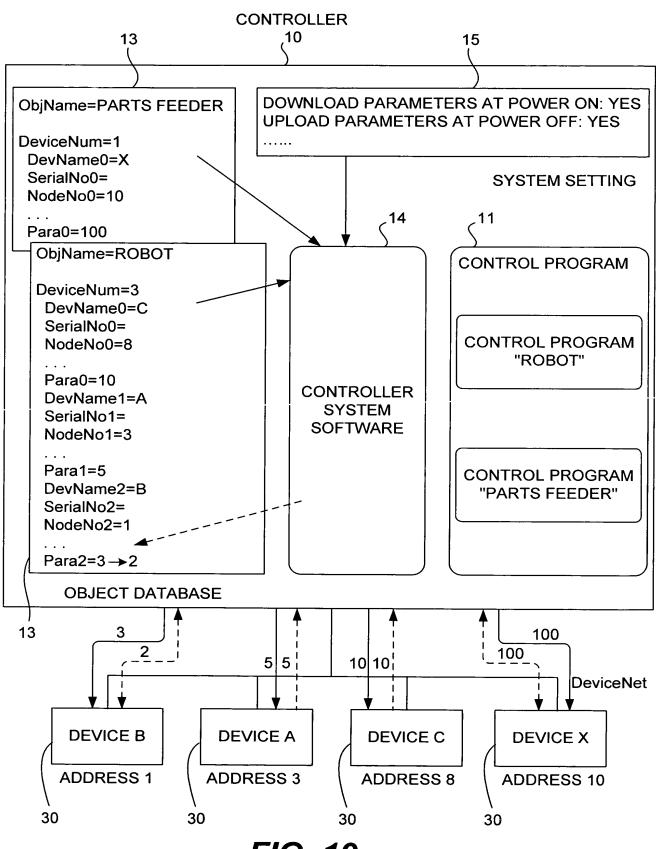


FIG. 19

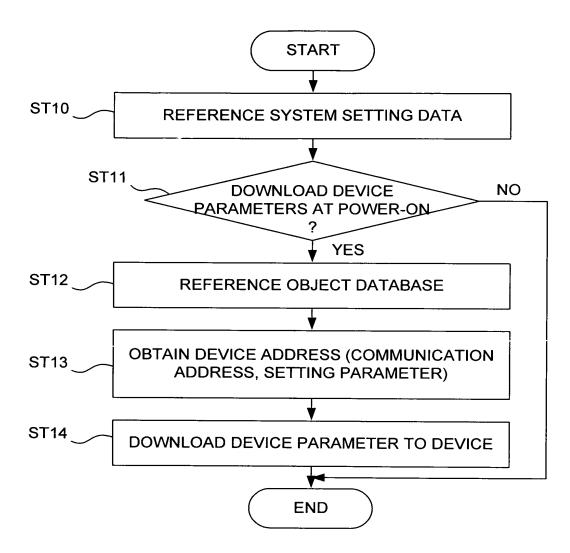


FIG. 20

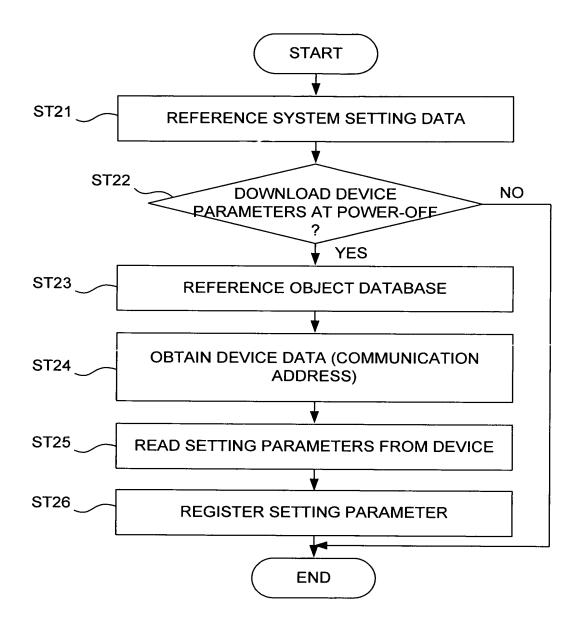


FIG. 21

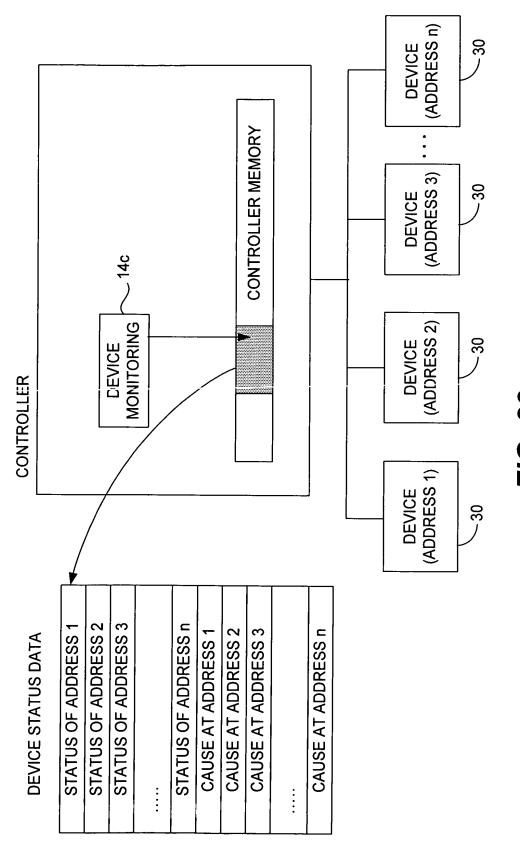


FIG. 22

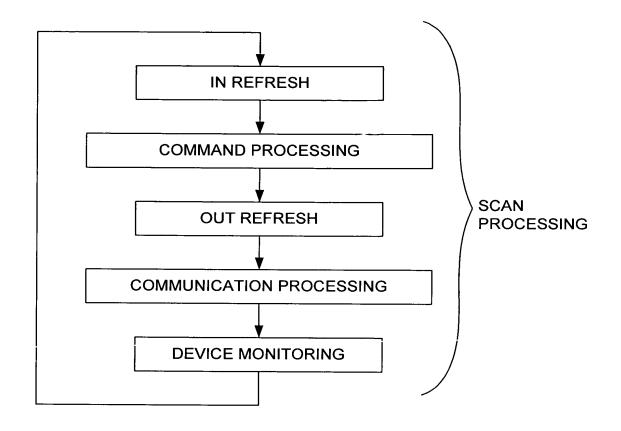


FIG. 23

